

SEQUENCE LISTING

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<120> NUCLEOTIDE SEQUENCES WHICH CODE FOR THE METY GENE

<130> 211707US0X

<140> 09/919,932

<141> 2001-08-02

<150> DE 10043334.0

<151> 2000-09-02

<150> DE 10109690.9

<151> 2001-02-28

<150> US 60/294,252

<151> 2001-05-31

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<170> PatentIn version 3.1

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gtctattgca atagaccaag ctgttcagta ggggtgcatgg gagaagaatt tcctaataaa	180
aactcttaag gacctccaa atg cca aag tac gac aat tcc aat gct gac cag	232
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cag acc agc gca cga aac ctt ccg atc tac caa tcc acc gct ttc gtg	328
Gln Thr Ser Ala Arg Asn Leu Pro Ile Tyr Gln Ser Thr Ala Phe Val	
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Phe Asp Ser Ala Glu His Ala Lys Gln Arg Phe Ala Leu Glu Asp Leu	
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Asn Arg Ile Ala Ser Leu Glu Gly Gly Val His Ala Val Ala Phe Ser	
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Ser Gly Gln Ala Ala Thr Thr Asn Ala Ile Leu Asn Leu Ala Gly Ala	
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Gly Asp His Ile Val Thr Ser Pro Arg Leu Tyr Gly Gly Thr Glu Thr	
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cta ttc ctt atc act ctt aac cgc ctg ggt atc gat gtt tcc ttc gtg	616
Leu Phe Leu Ile Thr Leu Asn Arg Leu Gly Ile Asp Val Ser Phe Val	
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Glu Asn Pro Asp Asp Pro Glu Ser Trp Gln Ala Ala Val Gln Pro Asn	
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Thr Lys Ala Phe Phe Gly Glu Thr Phe Ala Asn Pro Gln Ala Asp Val	
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Leu Asp Ile Pro Ala Val Ala Glu Val Ala His Arg Asn Ser Val Pro	
175 180 185	
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Leu Ile Ile Asp Asn Thr Ile Ala Thr Ala Ala Leu Val Arg Pro Leu	
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Glu Leu Gly Ala Asp Val Val Val Ala Ser Leu Thr Lys Phe Tyr Thr	
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Ser Thr Leu Ser Ala Phe Asn Ala Trp Ala Ala Val Gln Gly Ile Asp	
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acc ctt tcc ctg cgc ctg gag cgc cac aac gaa aac gcc atc aag gtt	1144
Thr Leu Ser Leu Arg Leu Glu Arg His Asn Glu Asn Ala Ile Lys Val	
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Ala Glu Phe Leu Asn Asn His Glu Lys Val Glu Lys Val Asn Phe Ala	
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Gly Leu Lys Asp Ser Pro Trp Tyr Ala Thr Lys Glu Lys Leu Gly Leu	
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Lys Tyr Thr Gly Ser Val Leu Thr Phe Glu Ile Lys Gly Gly Lys Asp	
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Glu Ala Trp Ala Phe Ile Asp Ala Leu Lys Leu His Ser Asn Leu Ala	
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Asn Ile Gly Asp Val Arg Ser Leu Val Val His Pro Ala Thr Thr Thr	
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His Ser Gln Ser Asp Glu Ala Gly Leu Ala Arg Ala Gly Val Thr Gln	
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tcc acc gtc cgc ctg tcc gtt ggc atc gag acc att gat gat atc atc	1480
Ser Thr Val Arg Leu Ser Val Gly Ile Glu Thr Ile Asp Asp Ile Ile	
415 420 425	
gct gac ctc gaa ggc ggc ttt gct gca atc tagcttttaa tagactcacc	1530
Ala Asp Leu Glu Gly Gly Phe Ala Ala Ile	
430 435	
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<212> PRT

<213> Corynebacterium glutamicum

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Asn Leu Pro Ile Tyr Gln Ser Thr Ala Phe Val Phe Asp Ser Ala Glu
35 40 45

His Ala Lys Gln Arg Phe Ala Leu Glu Asp Leu Gly Pro Val Tyr Ser
50 55 60

Arg Leu Thr Asn Pro Thr Val Glu Ala Leu Glu Asn Arg Ile Ala Ser
65 70 75 80

Leu Glu Gly Gly Val His Ala Val Ala Phe Ser Ser Gly Gln Ala Ala
85 90 95

Thr Thr Asn Ala Ile Leu Asn Leu Ala Gly Ala Gly Asp His Ile Val
100 105 110

Thr Ser Pro Arg Leu Tyr Gly Gly Thr Glu Thr Leu Phe Leu Ile Thr
115 120 125

Leu Asn Arg Leu Gly Ile Asp Val Ser Phe Val Glu Asn Pro Asp Asp
130 135 140

Pro Glu Ser Trp Gln Ala Ala Val Gln Pro Asn Thr Lys Ala Phe Phe
145 150 155 160

Gly Glu Thr Phe Ala Asn Pro Gln Ala Asp Val Leu Asp Ile Pro Ala
165 170 175

Val Ala Glu Val Ala His Arg Asn Ser Val Pro Leu Ile Ile Asp Asn
180 185 190

Thr Ile Ala Thr Ala Ala Leu Val Arg Pro Leu Glu Leu Gly Ala Asp
195 200 205

Val Val Val Ala Ser Leu Thr Lys Phe Tyr Thr Gly Asn Gly Ser Gly
210 215 220

Leu Gly Gly Val Leu Ile Asp Gly Gly Lys Phe Asp Trp Thr Val Glu
225 230 235 240

Lys Asp Gly Lys Pro Val Phe Pro Tyr Phe Val Thr Pro Asp Ala Ala
245 250 255

Tyr His Gly Leu Lys Tyr Ala Asp Leu Gly Ala Pro Ala Phe Gly Leu
260 265 270

Lys Val Arg Val Gly Leu Leu Arg Asp Thr Gly Ser Thr Leu Ser Ala
275 280 285

Phe Asn Ala Trp Ala Ala Val Gln Gly Ile Asp Thr Leu Ser Leu Arg
290 295 300

Leu Glu Arg His Asn Glu Asn Ala Ile Lys Val Ala Glu Phe Leu Asn
305 310 315 320

Asn His Glu Lys Val Glu Lys Val Asn Phe Ala Gly Leu Lys Asp Ser
325 330 335

Pro Trp Tyr Ala Thr Lys Glu Lys Leu Gly Leu Lys Tyr Thr Gly Ser
340 345 350

Val Leu Thr Phe Glu Ile Lys Gly Gly Lys Asp Glu Ala Trp Ala Phe
355 360 365

Ile Asp Ala Leu Lys Leu His Ser Asn Leu Ala Asn Ile Gly Asp Val
370 375 380

Arg Ser Leu Val Val His Pro Ala Thr Thr Thr His Ser Gln Ser Asp
385 390 395 400

Al
cond.
Glu Ala Gly Leu Ala Arg Ala Gly Val Thr Gln Ser Thr Val Arg Leu
405 410 415

Ser Val Gly Ile Glu Thr Ile Asp Asp Ile Ile Ala Asp Leu Glu Gly
420 425 430

Gly Phe Ala Ala Ile
435
